C. A. GEHRET

ATTACHMENT FOR SECURING GRILLES OR SCREENS TO WINDOW FRAMES.

APPLICATION FILED FEB. 8, 1908.

915,588. Patented Mar. 16, 1909.

Fig. 1

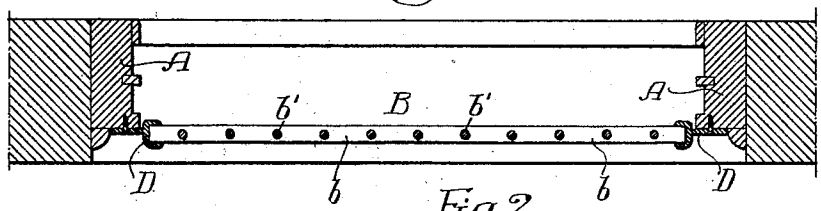


Fig. 2.

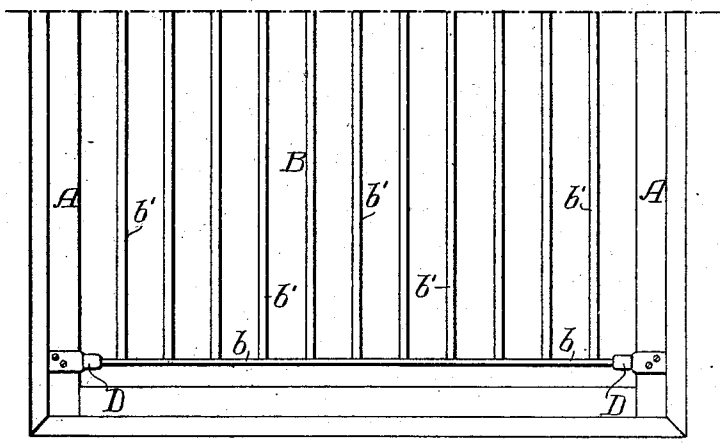


Fig. 3.

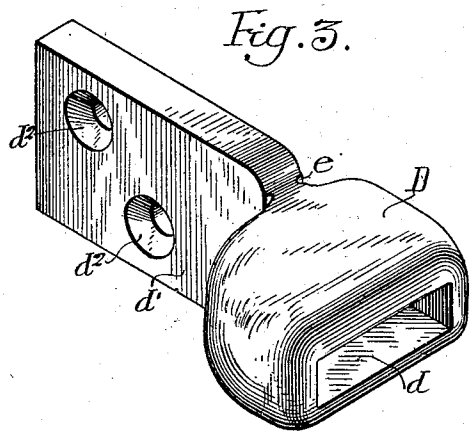


Fig. 4.

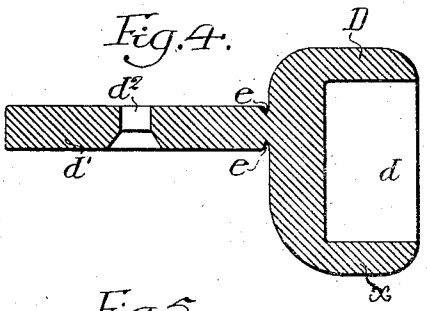
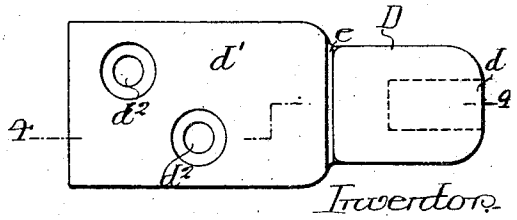


Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR SECURING GRILLES OR SCREENS TO WINDOW-FRAMES.

No. 915,588. Specification of Letters Patent. Patented March 16, 1909.

Application filed February 8, 1908. Serial No. 414,928.

To all whom it may concern:

Be it known that I, CHARLES A. GEHRET, a citizen of the United States, residing in Bridgeport, Pennsylvania, have invented certain Improvements in Attachments for Securing Grilles or Screens to Window-Frames, of which the following is a specification.

My invention relates to improvements in means for securing grilles, bars or screens to window frames used as guards to prevent accidents due to raised windows and particularly those used in institutions.

The object of my invention is to provide means for firmly securing window grilles and screens to the frame so that inmates cannot tamper with the fastening, yet which can readily be broken from the outside in the event of fire or accident when it is desired to reach the rooms through the windows. This object I attain as hereinafter set forth, reference being had to the accompanying drawing, in which:—

Figure 1, is a sectional plan view of a window frame showing a grille secured thereto by my improved attachment; Fig. 2, is a face view from the outside of the building showing a portion of the frame; Fig. 3, is a perspective view of my attachment; Fig. 4, is a sectional view; and Fig. 5, is a face view.

A is a window frame made in any suitable manner; B is the grille consisting in the present instance of any number of transverse bars b connected together by vertical bars b' placed a given distance apart. These bars are preferably made of wrought metal.

D is my improved attachment having a socket d shaped for the reception of the end of the bar b and extending from the socket is a shank d' having two screw holes d^2 in the present instance through which the fastening screws are driven into the woodwork of the frame A.

If there is a cross bar b at the top and bottom of the grille B then there are four sockets, one for each end of each cross bar, or one side of the grille may be attached to the frame by hinges and the other secured by the sockets so that the grille can swing open when the sockets are broken.

It will be noticed that I preferably groove the attachment at a point e where the shank joins the socket so as to make it readily breakable at this point.

I may form the groove either on one or both sides, as shown in Fig. 4, or in some instances the groove may be dispensed with if the shank is thin enough to break when the socket is given a sufficiently hard blow.

The fastening when in place is perfectly rigid and solid and, owing to its close proximity, it is not likely to be broken from the inside unless the socket is struck a comparatively heavy blow with a suitable hammer; but if, for any reason, it is desired to quickly remove the grille such as in the case of fire, the sockets on one side can be given a quick blow with the hammer at point x, fracturing the attachment at the point where the shank joins the socket, and the grille can be quickly removed from the other sockets.

I claim:—

1. The combination of a window frame, a grille or screen, and an attachment engaging the grille or screen and secured to the window frame, said attachment being grooved at a definite portion of its body to permit of its convenient breakage and the removal of said grille or screen.

2. The combination of a frame, a grille having projecting portions, with attachments having sockets adapted to receive said portions of the grille and provided with shanks constructed to be secured to a window frame, said attachments each having a portion of reduced section placed to permit of its convenient breakage.

3. The combination of a window frame, a grille consisting of horizontal bars connected together by a series of vertical bars, and attachments having sockets fitting the ends of the horizontal bars and also having shanks secured to the window frame, each shank being reduced in width at the point where it joins the socket so that it can be readily broken by a sharp blow from a hammer.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

CHARLES A. GEHRET.

Witnesses:
WM. A. BARR,
JOS. H. KLEIN.